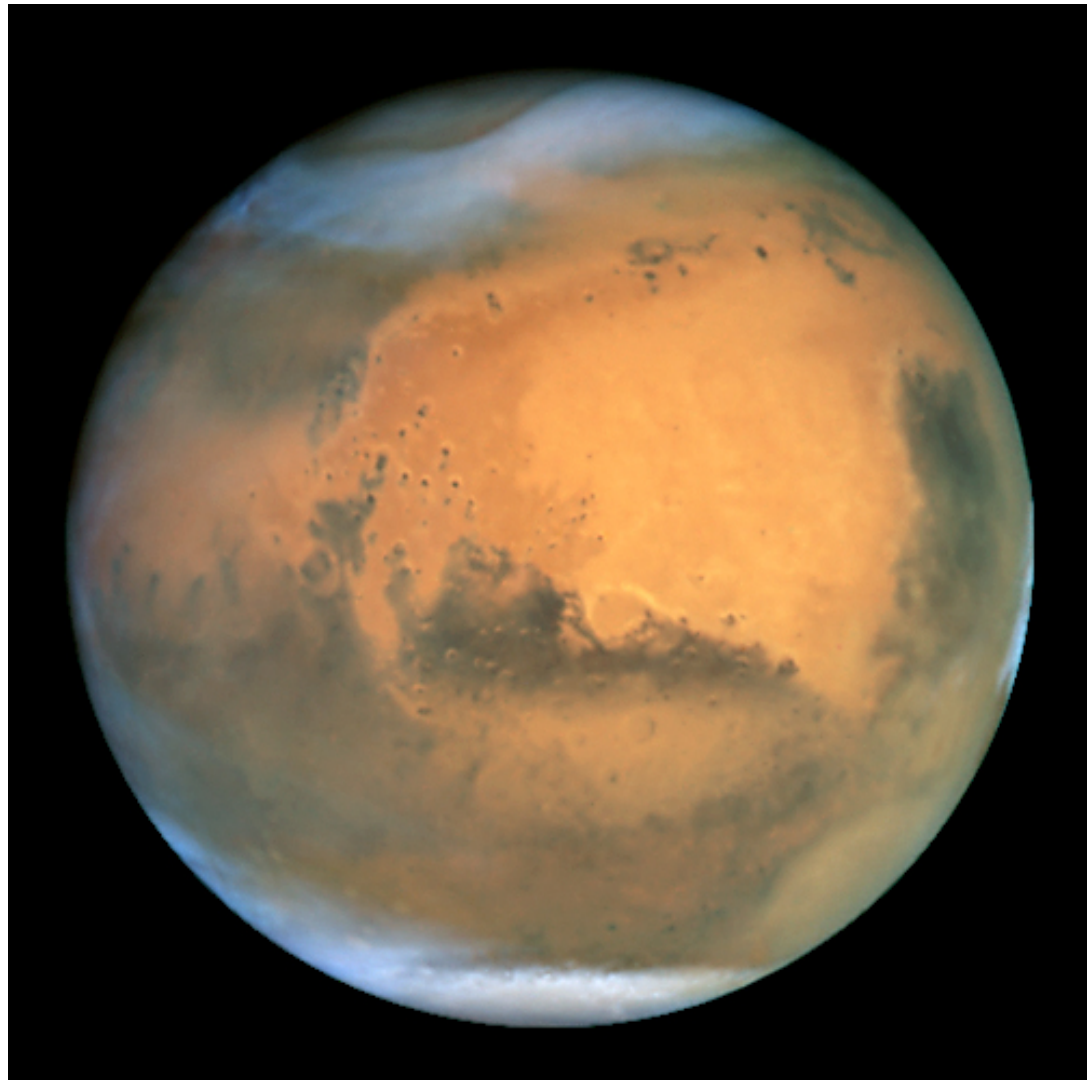


Lecture 1 ... August 20, 2012

Mars as seen from Earth. A really good view!



Gale Crater: the view from a spacecraft in orbit around Mars

Craters on
Mars too?
What does it
mean?



Mars Science Laboratory “Curiosity” lands in Gale Crater on Mars, August 2012

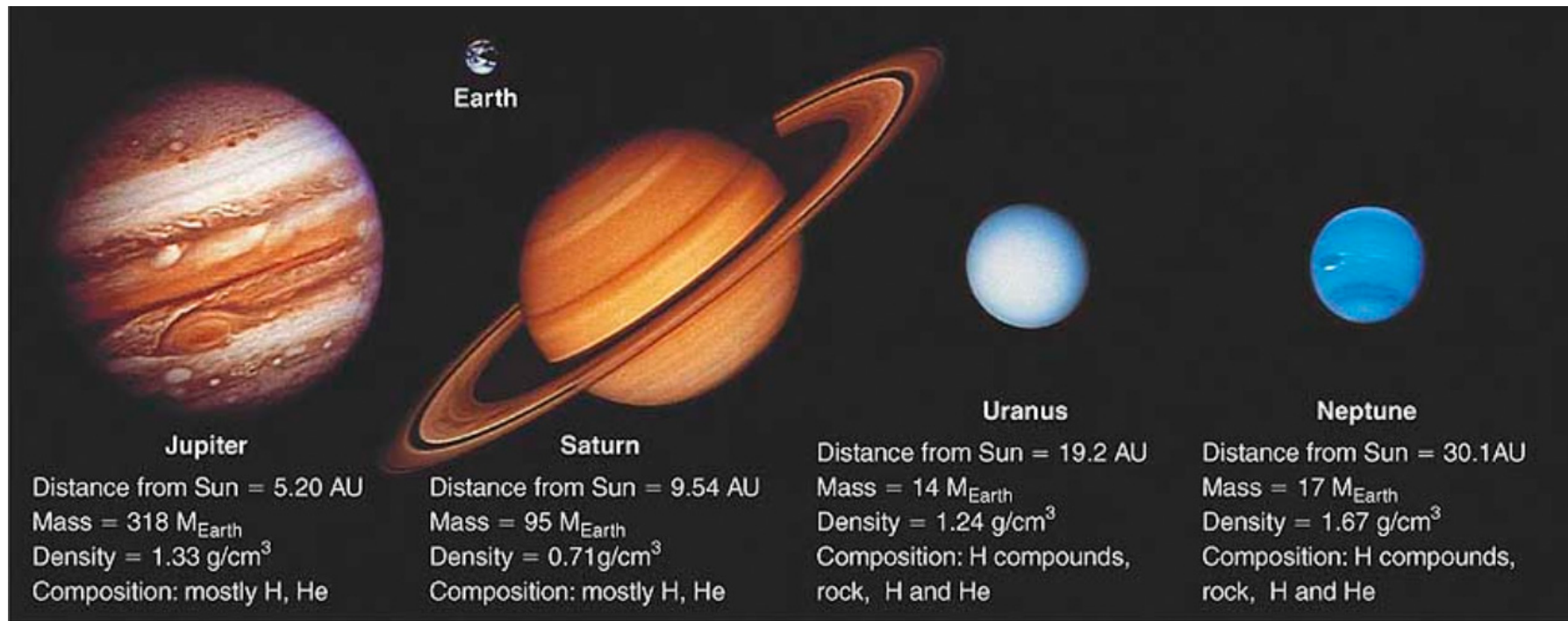


Relative sizes of terrestrial planets



1 Re = 6378 km

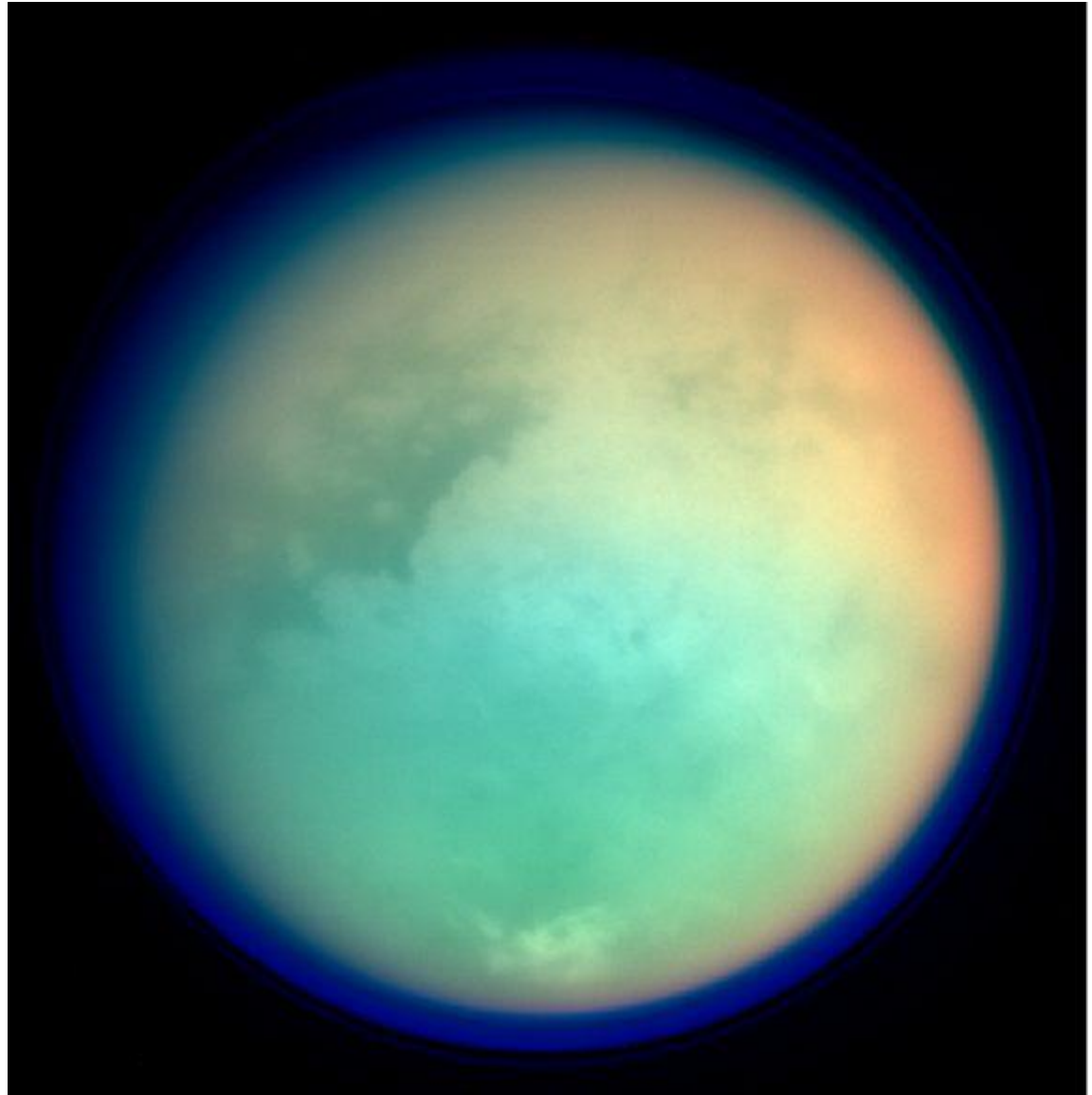
Relative sizes of Jovian planets



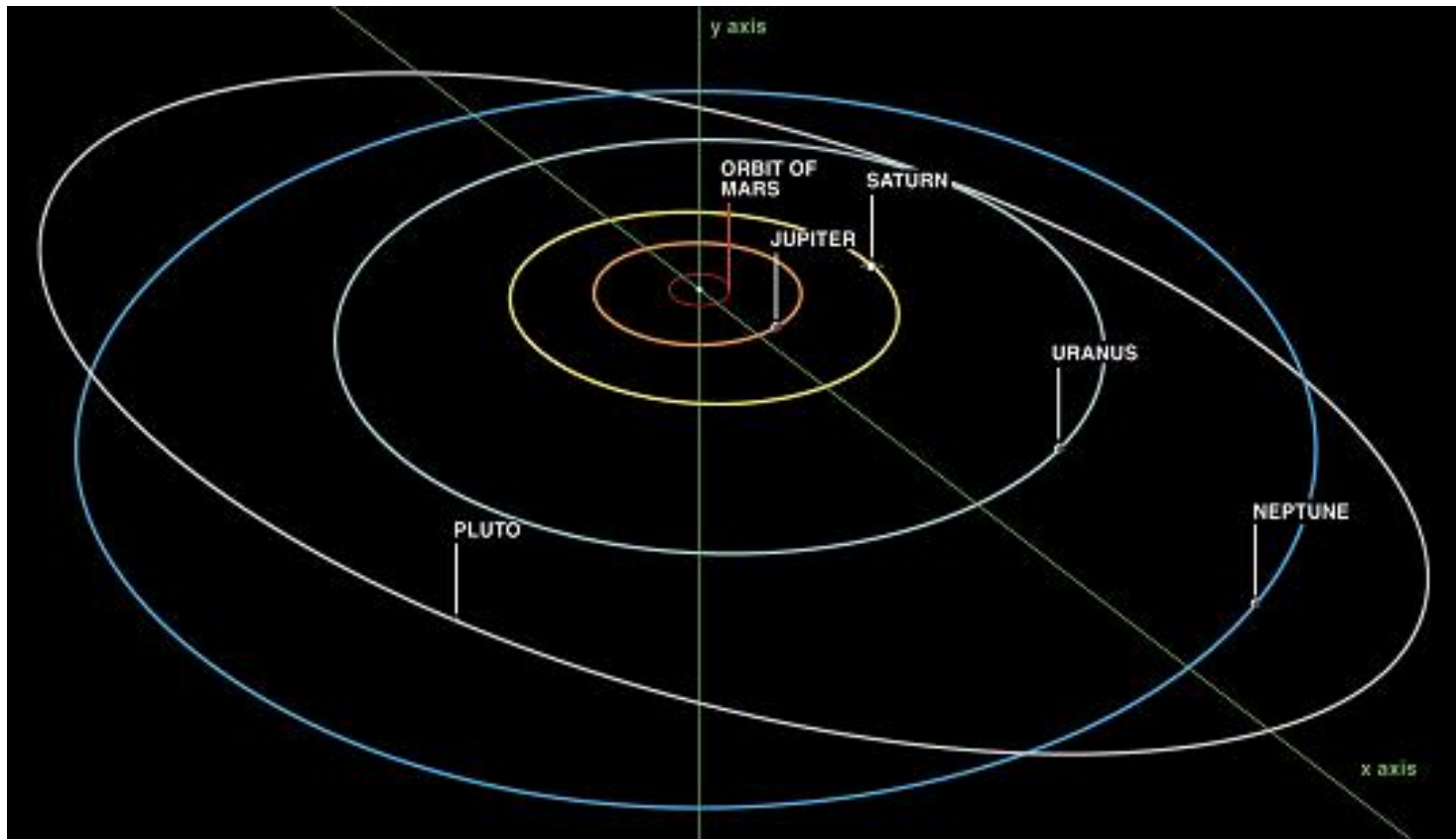
Radius of Jupiter = 71,400 km = 11.2 R_{e}

Titan: largest moon of Saturn

Titan is the only moon with a substantial atmosphere



Some orbits in the outer solar system



What physical laws make these orbits the way they are?